

## CENTRAL NEVADA DESERT BASINS, NORTHERN BIG SMOKY VALLEY

10249280 KINGSTON CREEK BELOW COUGAR CANYON NEAR AUSTIN, NV

LOCATION.--Lat 39°12'45", long 117°06'45" referenced to North American Datum of 1927, in NE 1/4 NW 1/4 sec. 35, T.16 N., R.43 E., Lander County, Hydrologic Unit 16060004, in Toiyabe National Forest, on left bank, 1.1 mi downstream from Cougar Canyon, and 19 mi southeast of Austin.

DRAINAGE AREA.--23.40 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,480 ft above National Geodetic Vertical Datum of 1929, from topographic map. August 22, 1975, to June 25, 1985, at site 40 ft upstream at datum 5.50 ft lower.

REMARKS.--No estimated daily discharges. Records fair. Two diversions above station. Flow affected by storage in Groves Reservoir, capacity, 190 acre-ft about 4 mi upstream since January 1970, when installation was completed by Nevada Department of Fish and Game for fishery enhancement and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 385 ft<sup>3</sup>/s, May 28, 1983, gage height, 3.19 ft; maximum gage height, 3.86 ft, June 3, 1995; minimum daily, 1.7 ft<sup>3</sup>/s, December 28, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7.9 ft<sup>3</sup>/s, May 28, gage height, 1.18 ft; minimum daily discharge, 3.2 ft<sup>3</sup>/s, October 29, November 7, 9, 10.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.3	3.5	3.7	3.6	3.9	4.6	5.2	6.6	6.5	6.2	4.8
2	4.0	3.4	3.6	3.7	3.6	3.9	4.5	5.1	6.5	6.4	6.1	4.8
3	4.0	3.4	3.7	3.7	3.6	3.9	4.4	5.0	6.4	6.5	6.0	4.8
4	4.0	3.3	3.7	3.6	3.7	4.1	4.3	5.2	6.4	6.5	6.0	4.8
5	4.0	3.3	3.7	3.7	3.6	4.2	4.3	5.1	6.5	6.5	5.9	4.8
6	3.9	3.3	3.7	3.8	3.6	4.1	4.3	5.3	6.6	6.4	5.9	4.7
7	3.9	3.2	3.7	3.7	3.7	4.1	4.4	5.2	6.5	6.4	6.0	4.6
8	3.9	3.3	3.7	3.7	3.7	4.1	4.5	5.3	6.5	6.4	6.0	4.5
9	3.9	3.2	3.7	3.7	3.8	4.2	4.4	5.3	6.8	6.4	5.9	4.5
10	3.9	3.2	3.7	3.7	3.8	4.2	4.5	5.3	6.8	6.3	5.8	4.5
11	3.9	3.3	3.7	3.8	4.3	4.4	5.4	6.8	6.3	5.8	4.4	
12	3.9	3.4	3.8	3.7	3.8	4.4	4.3	5.3	6.8	6.3	5.8	4.4
13	3.9	3.4	3.9	3.7	3.8	4.4	4.4	5.1	6.7	6.3	6.2	4.4
14	3.8	3.4	3.9	3.7	3.8	4.3	4.2	5.2	6.7	6.3	5.9	4.5
15	3.8	3.4	3.9	3.7	3.8	4.2	4.3	5.3	6.7	6.2	6.0	4.3
16	3.7	3.4	3.9	3.7	3.7	4.3	4.6	5.4	6.7	6.4	5.9	4.2
17	3.6	3.4	3.9	3.7	3.7	4.3	4.9	5.5	6.8	6.6	5.6	4.1
18	3.5	3.4	3.8	3.7	3.9	4.3	4.8	5.6	6.8	6.6	5.5	4.3
19	3.5	3.4	3.8	3.7	3.8	4.3	4.7	5.7	6.8	6.8	5.5	4.3
20	3.5	3.4	3.8	3.7	3.9	4.4	4.6	5.9	6.8	6.7	5.5	4.3
21	3.5	3.4	3.8	3.7	3.9	4.4	4.8	6.1	6.8	6.5	5.4	4.2
22	3.5	3.6	3.8	3.7	3.9	4.3	4.9	6.0	6.9	6.4	5.4	4.1
23	3.5	3.6	3.8	3.7	3.9	4.3	4.7	6.1	6.7	6.4	5.3	4.0
24	3.5	3.5	3.9	3.7	3.9	4.4	4.6	6.3	6.6	6.4	5.3	4.0
25	3.4	3.5	3.9	3.7	3.9	4.5	4.6	6.4	6.6	6.2	5.2	4.0
26	3.4	3.5	3.7	3.7	3.9	4.6	4.8	6.5	6.6	6.2	5.3	3.9
27	3.4	3.5	3.8	3.6	3.9	4.6	4.9	6.6	6.4	6.2	5.2	3.9
28	3.3	3.5	4.0	3.5	3.8	4.6	5.1	7.1	6.5	6.1	5.2	
29	3.2	3.5	3.9	3.5	3.9	4.6	5.2	7.1	6.5	6.1	5.1	4.0
30	3.3	3.5	3.9	3.6	---	4.3	5.1	7.1	6.5	6.0	5.0	4.0
31	3.3	---	3.7	3.6	---	4.3	---	7.0	---	6.0	4.8	---
TOTAL	113.9	101.9	117.3	114.0	109.6	132.8	138.1	178.7	199.3	197.3	174.7	130.0
MEAN	3.67	3.40	3.78	3.68	3.78	4.28	4.60	5.76	6.64	6.36	5.64	4.33
MAX	4.0	3.6	4.0	3.8	3.9	4.6	5.2	7.1	6.9	6.8	6.2	4.8
MIN	3.2	3.2	3.5	3.5	3.6	3.9	4.2	5.0	6.4	6.0	4.8	3.9
AC-FT	226	202	233	226	217	263	274	354	395	391	347	258

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	6.21	5.57	5.01	4.64	4.51	5.06	7.35	16.9	21.6	13.4	9.41	7.15
MAX	12.9	12.7	10.3	9.62	8.86	11.6	45.3	106	79.7	42.4	19.6	13.6
(WY)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1998)	(1998)	(1984)	(1984)
MIN	3.17	3.14	2.85	2.64	2.75	2.96	2.99	4.37	6.09	5.36	4.24	3.76
(WY)	(1967)	(1967)	(1967)	(1967)	(1982)	(1967)	(1967)	(2003)	(2000)	(2000)	(1972)	(1992)

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10249280 KINGSTON CREEK BELOW COUGAR CANYON NEAR AUSTIN, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1967 - 2004
ANNUAL TOTAL	1,662.2	1,707.6	
ANNUAL MEAN	4.55	4.67	8.91
HIGHEST ANNUAL MEAN			29.3
LOWEST ANNUAL MEAN			4.54
HIGHEST DAILY MEAN	8.9	Jul 8	May 28, 1983
LOWEST DAILY MEAN	2.7	Jan 13	Dec 28, 1966
ANNUAL SEVEN-DAY MINIMUM	2.7	Jan 13	2.0 Dec 24, 1966
MAXIMUM PEAK FLOW		7.9	385 May 28, 1983
MAXIMUM PEAK STAGE		1.18	3.86 Jun 3, 1995
ANNUAL RUNOFF (AC-FT)	3,300	3,390	6,460
10 PERCENT EXCEEDS	7.7	6.5	14
50 PERCENT EXCEEDS	3.8	4.3	5.9
90 PERCENT EXCEEDS	3.0	3.5	3.6